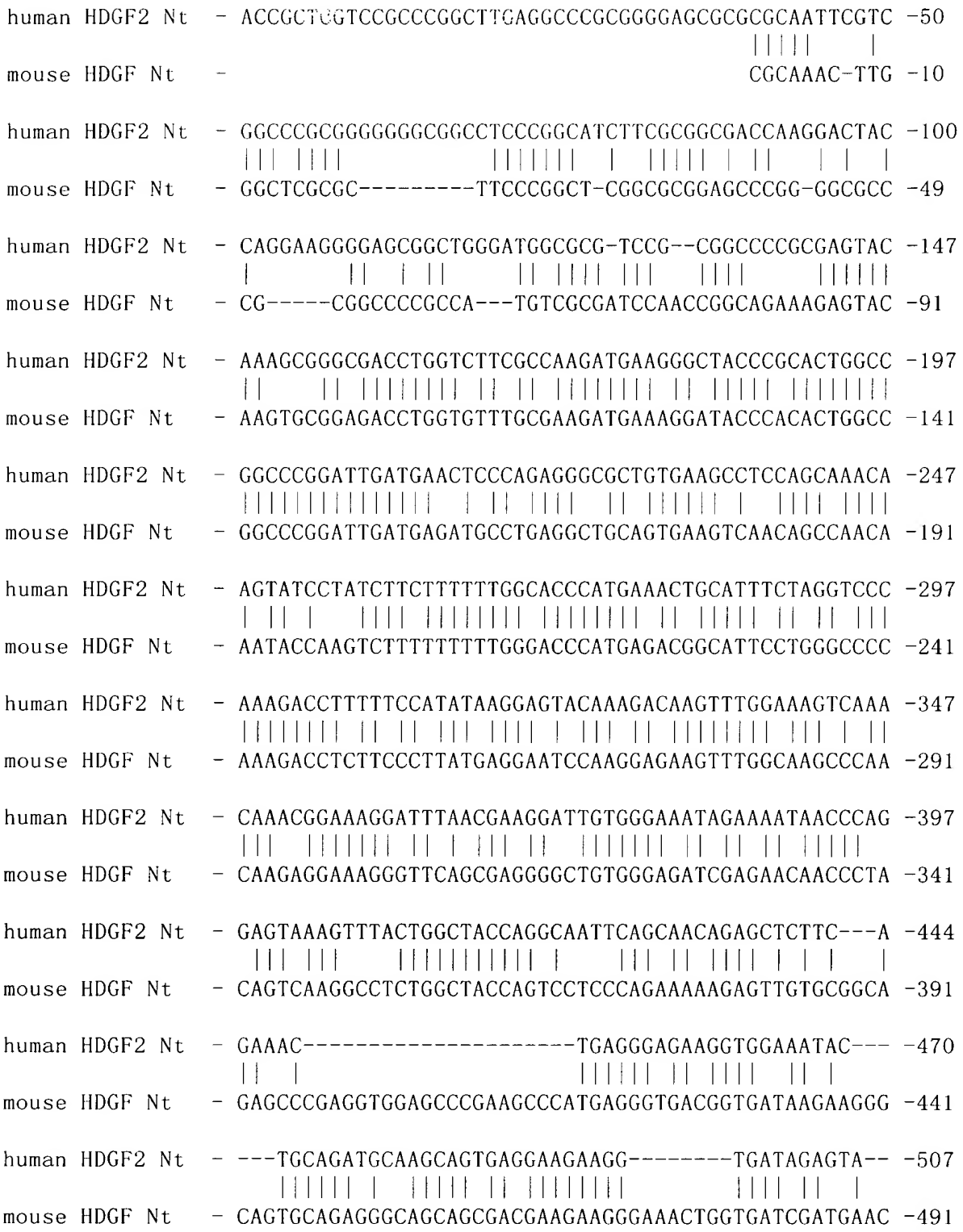

human HDGF2 Nt - ACCGCTGGTCCGCCCGGCTTGAGGCCCGCGGGGAGCGCGCGCAATTCGTC -50
mouse HDGF Nt - CGCAAAC-TTG -10
human HDGF2 Nt - GGCCCGCGGGGGGGCGGCCTCCCGGCATCTTCGCGGCGACCAAGGACTAC -100
mouse HDGF Nt - GGCTCGCGC---------TTCCCGGCT-CGGCGCGGAGCCCGG-GGCGCC -49
human HDGF2 Nt - CAGGAAGGGGAGCGGCTGGGATGGCGCG-TCCG--CGGCCCCGCGAGTAC -147
mouse HDGF Nt - CG-----CGGCCCCGCCA---TGTCGCGATCCAACCGGCAGAAAGAGTAC -91
human HDGF2 Nt - AAAGCGGGCGACCTGGTCTTCGCCAAGATGAAGGGCTACCCGCACTGGCC -197
mouse HDGF Nt - AAGTGCGGAGACCTGGTGTTTGCGAAGATGAAAGGATACCCACACTGGCC -141
human HDGF2 Nt - GGCCCGGATTGATGAACTCCCAGAGGGCGCTGTGAAGCCTCCAGCAAACA -247
mouse HDGF Nt - GGCCCGGATTGATGAGATGCCTGAGGCTGCAGTGAAGTCAACAGCCAACA -191
human HDGF2 Nt - AGTATCCTATCTTCTTTTTTGGCACCCATGAAACTGCATTTCTAGGTCCC -297
mouse HDGF Nt - AATACCAAGTCTTTTTTTTTGGGACCCATGAGACGGCATTCCTGGGCCCC -241
human HDGF2 Nt - AAAGACCTTTTTCCATATAAGGAGTACAAAGACAAGTTTGGAAAGTCAAA -347
mouse HDGF Nt - AAAGACCTCTTCCCTTATGAGGAATCCAAGGAGAAGTTTGGCAAGCCCAA -291
human HDGF2 Nt - CAAACGGAAAGGATTTAACGAAGGATTGTGGGAAATAGAAAATAACCCAG -397
mouse HDGF Nt - CAAGAGGAAAGGGTTCAGCGAGGGGCTGTGGGAGATCGAGAACAACCCTA -341
human HDGF2 Nt - GAGTAAAGTTTACTGGCTACCAGGCAATTCAGCAACAGAGCTCTTC---A -444
mouse HDGF Nt - CAGTCAAGGCCTCTGGCTACCAGTCCTCCCAGAAAAAGAGTTGTGCGGCA -391
human HDGF2 Nt - GAAAC----------TGAGGGAGAAGGTGGAAATAC--- -470
mouse HDGF Nt - GAGCCCGAGGTGGAGCCCGAAGCCCATGAGGGTGACGGTGATAAGAAGGG -441
human HDGF2 Nt - ---TGCAGATGCAAGCAGTGAGGAAGAAGG--------TGATAGAGTA-- -507
mouse HDGF Nt - CAGTGCAGAGGGCAGCAGCGACGAAGAAGGGAAACTGGTGATCGATGAAC -491

Fig. 1

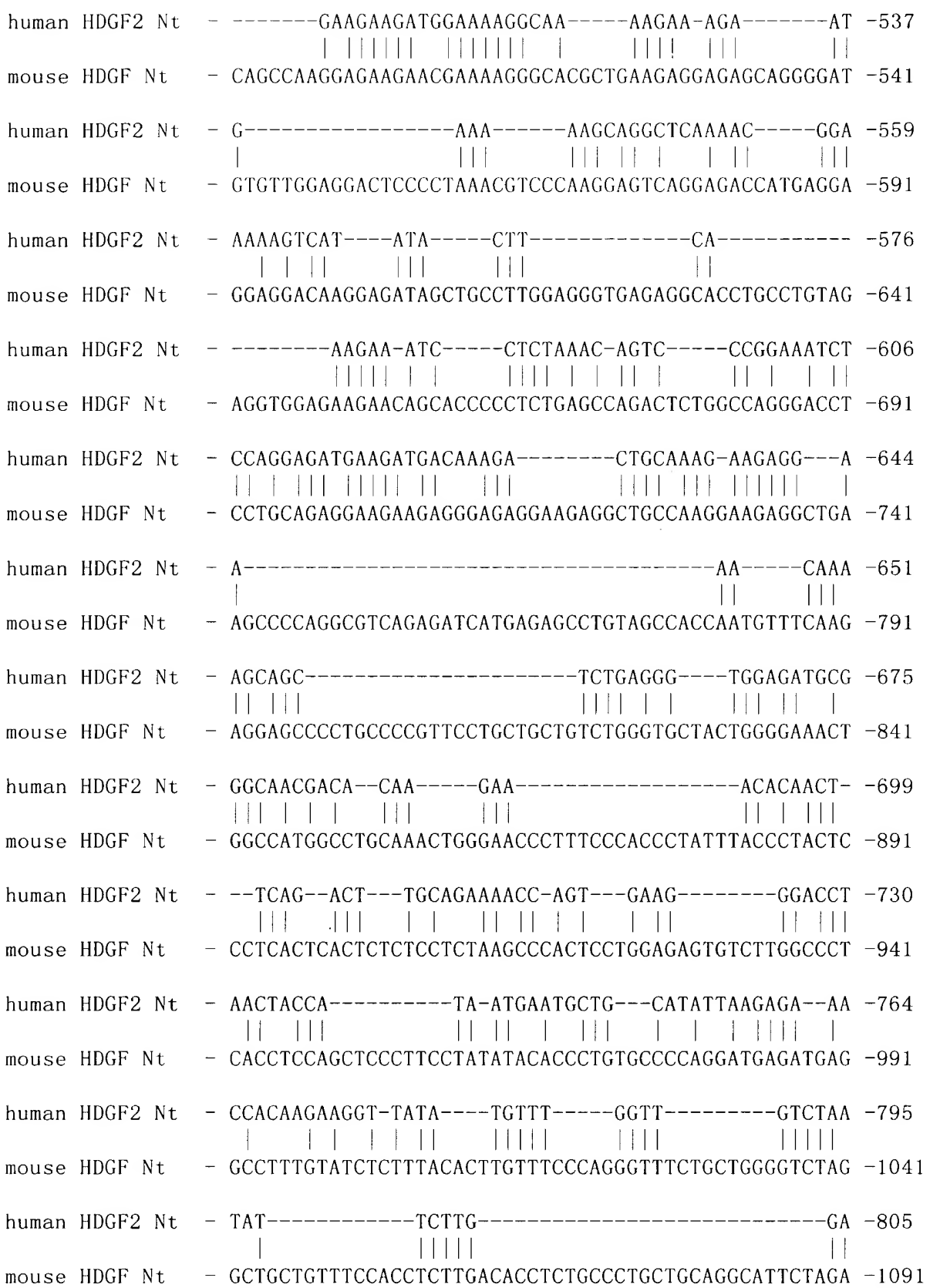
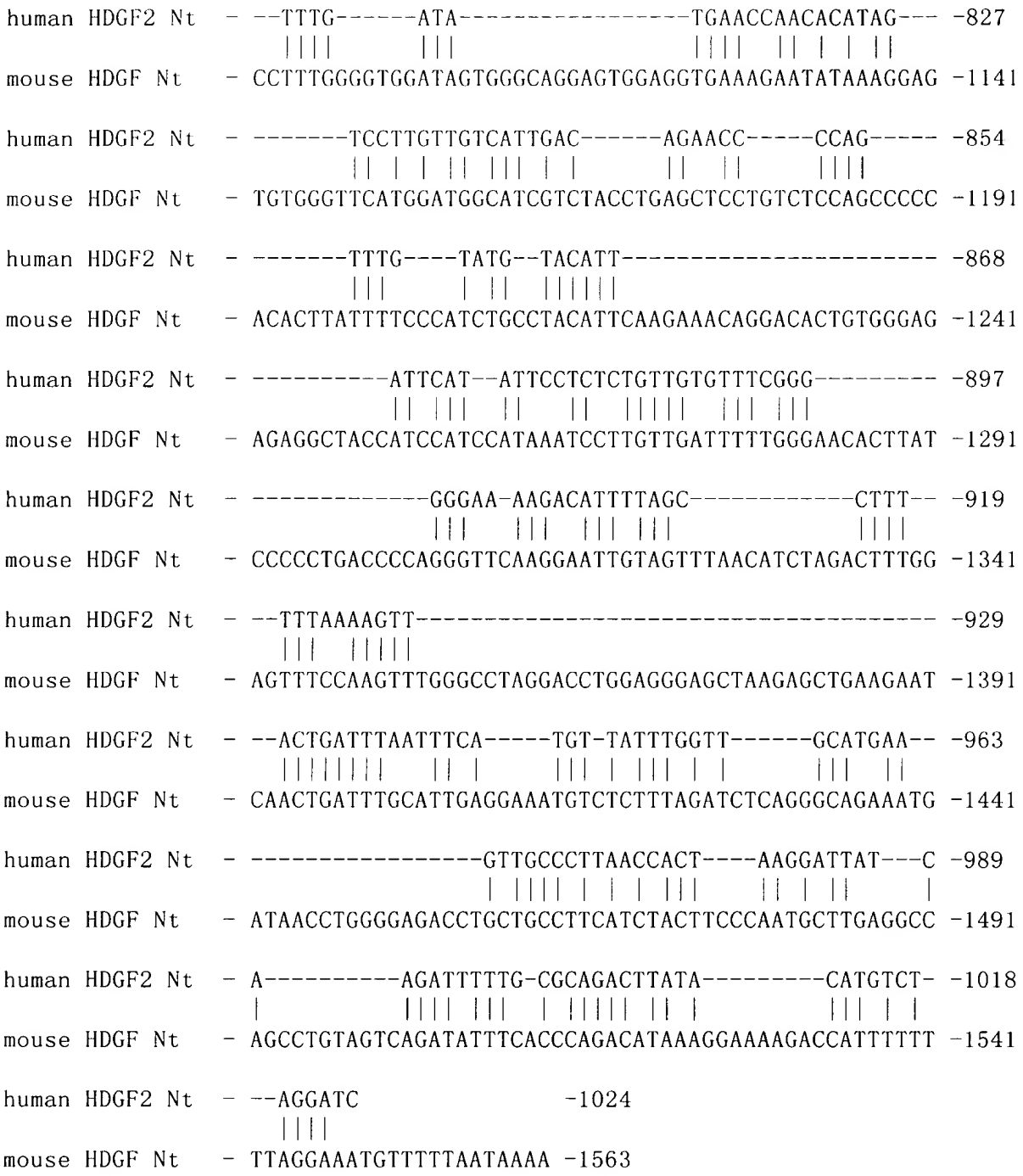

human HDGF2 Nt - -------GAAGAAGATGGAAAAGGCAA-----AAGAA-AGA-------AT -537
mouse HDGF Nt - CAGCCAAGGAGAAGAACGAAAAGGGCACGCTGAAGAGGAGAGCAGGGGAT -541
human HDGF2 Nt - G----------AAA------AAGCAGGCTCAAAAC-----GGA -559
mouse HDGF Nt - GTGTTGGAGGACTCCCCTAAACGTCCCAAGGAGTCAGGAGACCATGAGGA -591
human HDGF2 Nt - AAAAGTCAT----ATA-----CTT----------CA---------- -576
mouse HDGF Nt - GGAGGACAAGGAGATAGCTGCCTTGGAGGGTGAGAGGCACCTGCCTGTAG -641
human HDGF2 Nt - --------AAGAA-ATC-----CTCTAAAC-AGTC-----CCGGAAATCT -606
mouse HDGF Nt - AGGTGGAGAAGAACAGCACCCCCTCTGAGCCAGACTCTGGCCAGGGACCT -691
human HDGF2 Nt - CCAGGAGATGAAGATGACAAAGA--------CTGCAAAG-AAGAGG---A -644
mouse HDGF Nt - CCTGCAGAGGAAGAAGAGGGAGAGGAAGAGGCTGCCAAGGAAGAGGCTGA -741
human HDGF2 Nt - A-----------------------------------AA-----CAAA -651
mouse HDGF Nt - AGCCCCAGGCGTCAGAGATCATGAGAGCCTGTAGCCACCAATGTTTCAAG -791
human HDGF2 Nt - AGCAGC----------TCTGAGGG----TGGAGATGCG -675
mouse HDGF Nt - AGGAGCCCCTGCCCCGTTCCTGCTGCTGTCTGGGTGCTACTGGGGAAACT -841
human HDGF2 Nt - GGCAACGACA--CAA-----GAA----------ACACAACT- -699
mouse HDGF Nt - GGCCATGGCCTGCAAACTGGGAACCCTTTCCCACCCTATTTACCCTACTC -891
human HDGF2 Nt - --TCAG--ACT---TGCAGAAAACC-AGT---GAAG--------GGACCT -730
mouse HDGF Nt - CCTCACTCACTCTCTCCTCTAAGCCCACTCCTGGAGAGTGTCTTGGCCCT -941
human HDGF2 Nt - AACTACCA----------TA-ATGAATGCTG---CATATTAAGAGA--AA -764
mouse HDGF Nt - CACCTCCAGCTCCCTTCCTATATACACCCTGTGCCCCAGGATGAGATGAG -991
human HDGF2 Nt - CCACAAGAAGGT-TATA----TGTTT-----GGTT---------GTCTAA -795
mouse HDGF Nt - GCCTTTGTATCTCTTTACACTTGTTTCCCAGGGTTTCTGCTGGGGTCTAG -1041
human HDGF2 Nt - TAT----------TCTTG----------GA -805
mouse HDGF Nt - GCTGCTGTTTCCACCTCTTGACACCTCTGCCCTGCTGCAGGCATTCTAGA -1091

Fig. 1 (cont.)



Identity: 68.7%

Fig. 1 (cont.)

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human HDGF2     - MARP-RPREYKAGDLVFAKMKGYPHWPARIDELPEGAVKPPANKYPIFFF -49
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mouse HDGF      - MSRSNRQKEYKCGDLVFAKMKGYPHWPARIDEMPEAAVKSTANKYQVFFF -50

human HDGF2     - GTHETAFLGPKDLFPYKEYKDKFGKSNKRKGFNEGLWEIENNPGVKFTGY -99
                  |||||||||||||||| | |.|||| |||||| |||||||||| || .||
mouse HDGF      - GTHETAFLGPKDLFPYEESKEKFGKPNKRKGFSEGLWEIENNPTVKASGY -100

human HDGF2     - QAIQQQSSS-----ETEGEGGN-----TADASSEEEGDRVEEDGKGKRKN -139
                  |. | | .     | |   |      .|. ||.||| ..  |   | ||
mouse HDGF      - QSSQKKSCAAEPEVEPEAHEGDGDKKGSAEGSSDEEG-KLVIDEPAKEKN -149

human HDGF2     - EKAGSKRKKSYTSKKSSKQSRKSPGDEDD---------------------- -168
                  ||   ||.       | |  . |   |..
mouse HDGF      - EKGTLKRRAGDVLEDSPKRPKESGDHEEEDKEIAALEGERHLPVEVEKNS -199

human HDGF2     - ---------------KDCKEEENKSSSEGGDAGNDTRNTTSDLQKTSEGT -203
                               .  ||  |  .|                    |
mouse HDGF      - TPSEPDSGQGPPAEEEEGEEEAAKEEAEAPGVRDH-----------ESL -237
```

Identity: 53.7%
Similarity: 9.4%

Fig. 2